

YOU ARE CORDIALLY INVITED TO EDUCATION ON CALL
A Complimentary CME Web-Enhanced Teleconference

A New Era in ADOLESCENT IMMUNIZATION

Promoting Health and Preventing Disease

**Course Director &
Program Moderator**

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Buffalo, New York

Ask your
questions in a
**LIVE
Q&A!**

August–September 2006



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Boston University School of Medicine

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PROGRAM DESCRIPTION

A New Era in Adolescent Immunization: Promoting Health and Preventing Disease will provide an up-to-date overview of the infectious diseases for which adolescents are at risk; familiarize clinicians with the growing number of vaccines that are available to prevent those diseases; and offer practical strategies for timely and thorough vaccination of this difficult-to-reach and underimmunized population.

AUDIENCE

Office-based pediatricians, family physicians, osteopathic family physicians, ob/gyns with a secondary specialty in infectious disease, adolescent medicine specialists, pediatric and adolescent gynecologists.

LEARNING OBJECTIVES

After taking part in this educational activity, participants should be better able to:

- Describe the range of infectious diseases for which adolescents are at risk.
- Explain the role of adolescents in transmission of infectious diseases (eg, influenza, pertussis) to elderly persons, very young children and infants, and other vulnerable populations.
- List at least 3 elements of an immunization catch-up schedule for adolescents and discuss appropriate timing and dosing intervals.
- Summarize the latest recommendations of the Advisory Committee on Immunization Practices (ACIP), the American Academy of Pediatrics (AAP), and the American Academy of Family Physicians (AAFP) concerning adolescent vaccines, including those for meningococcal disease and pertussis, which have been added to the schedule most recently.
- Identify opportunities for vaccinating adolescents in day-to-day practice.
- Develop systems and strategies for improving adolescent immunization rates.

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PROGRAM HIGHLIGHTS

- Adolescent immunization: A growing need and a growing opportunity—too often a missed opportunity; the disease burden in adolescents; importance of catch-up immunizations; a look at newly recommended and emerging vaccines for adolescents.
- Changing epidemiology and burden of meningococcal disease; clinical manifestations of the disease; current and future options for prevention; description of vaccines and their safety, efficacy, and duration of immune response; ACIP, AAP, and AAFP recommendations for vaccination of adolescents and young adults.
- Resurgence of pertussis in the US, especially among adolescents; school-based outbreaks; typical and atypical presentations of disease; key issues in disease transmission; ACIP, AAP, and AAFP recommendations for vaccination of adolescents and young adults.
- Influenza: Adolescents with a chronic medical condition (eg, asthma, diabetes) that puts them at high risk for influenza-related complications; adolescents as household contacts of people at high risk; adolescents as potential transmitters of disease; relevance of herd immunity; comparison of available influenza vaccines; evolving influenza immunization policies.

NEEDS

Adolescents are at risk for a wide variety of infectious diseases, some of which are life-threatening. For example, older adolescents who contract invasive meningococcal disease are 5 times as likely to die as are young children.¹ In addition, the majority of newly diagnosed hepatitis B cases occur among adolescents and young adults²; more than 8 million children and adolescents have at least one medical condition that puts them at high risk for death from influenza and its related complications³; and nearly 40% of reported cases of pertussis—a vaccine-preventable disease that is undergoing a dramatic resurgence in this country—occur among patients aged 10 to 19 years.⁴

Immunization is essential to prevent not only the spread of infectious diseases among adolescents but also the transmission of such diseases to more vulnerable and high-risk populations, especially infants, young children, and elderly persons. Yet adolescent immunization rates fall well short of pediatric immunization rates,⁵ and many opportunities to vaccinate adolescents are simply missed in day-to-day practice.⁶ Much improvement is needed in order to meet the Healthy People 2010 objective of reaching 90% of adolescents with all universally recommended vaccines.

The growing importance of adolescent immunization is underscored by the emergence of new vaccines to prevent disease in this age group, with more on the way.⁷ This is an opportune time for clinicians to recognize the wide spectrum of infectious diseases for which adolescents are at risk, to become familiar with the vaccines that are now available, and to implement effective strategies for reaching adolescents and providing them with the protection they need.

References

1. Harrison LH, Pass MA, Mendelsohn AB, et al. Invasive meningococcal disease in adolescents and young adults. *JAMA*. 2001;286:694-699.
2. National Foundation for Infectious Diseases. Adolescent Immunization Questions & Answers. Available at: <http://www.nfid.org/factsheets/adolescentqa.pdf>. Accessed April 26, 2006.
3. CDC. Prevention and control of influenza. *MMWR*. 2005;54(RR-08):1-40.
4. CDC, Bacterial Vaccine-Preventable Disease Branch, National Immunization Program. Pertussis surveillance report. Weeks 1-52, 2004 (Final data).
5. National Committee for Quality Assurance. The State of Health Care Quality, 2005. Adolescent Immunization Status. p. 23. Available at: <http://www.ncqa.org>. Accessed April 27, 2006.
6. Schaffner W, Brooks DA, Jensen HB, et al, eds. *Adolescent Vaccination: Bridging From a Strong Childhood to a Healthy Adulthood*. Bethesda, Md: National Foundation for Infectious Diseases; 2005.
7. Society for Adolescent Medicine. Adolescent immunizations. A position paper of the Society for Adolescent Medicine. *J Adolesc Health*. 2006;38:321-327.

DATES & TIMES 60-minute session including live Q&A

Day	Date	Eastern	Central	Mountain	Pacific
Wednesday	August 2	12:00 Noon	11:00 AM	10:00 AM	9:00 AM
Wednesday	August 9	1:00 PM	12:00 Noon	11:00 AM	10:00 AM
Wednesday	August 16	3:00 PM	2:00 PM	1:00 PM	12:00 Noon
Wednesday	August 23	8:00 PM	7:00 PM	6:00 PM	5:00 PM
Wednesday	August 30	2:00 PM	1:00 PM	12:00 Noon	11:00 AM
Wednesday	September 6	1:00 PM	12:00 Noon	11:00 AM	10:00 AM

For more information about this program, please email info@extendmed.com or call 866.330.7335.

ACCREDITATION



Boston University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Boston University School of Medicine designates this educational activity for a maximum of 1 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

OBTAINING CME CREDIT

In order to successfully earn CME credit, you are required to participate in the teleconference, review the slidebook, and complete and submit the test answer sheet and evaluation form. CME credit will be awarded provided a score of 70% or better is achieved.

TWO WAYS TO PARTICIPATE

It's easy—you can participate via the Web or the telephone. To accommodate different time zones, the program will be available once a week throughout the 6-week period from August 2 through September 6, 2006. The program will consist of a 45-minute taped presentation followed by a 15-minute live Q&A session.

Via Web

Log onto <http://adolescentimmunization.haymarketmedical.com> approximately 10 minutes before the session begins. The program moderator will begin the 45-minute presentation with streaming audio and a slide presentation followed by a live Q&A session.

Option 1. By Internet only: You can view the online presentation slides as they are being discussed while listening to the audio Webcast. This option is optimal for those who prefer hands-free listening and submitting questions over the Internet.

Option 2. By Internet and phone: You can view the presentation slides online as they are discussed, while listening on the phone. This will provide you with the greatest clarity, and will allow you to submit questions via the Internet or on the phone.

Via Telephone

Call the toll-free number, 800.289.0494, approximately 10 minutes before the session begins to join the 45-minute presentation followed by a live Q&A session. You will listen to the audio while viewing the materials that you have printed from the Website. You will have the ability to submit questions via the phone only.

DISCLOSURE STATEMENT

Boston University School of Medicine asks all individuals involved in the development and presentation of Continuing Medical Education (CME) activities to disclose all relationships with commercial interests. This information is disclosed to CME activity participants. Boston University School of Medicine has procedures to resolve any apparent conflicts of interest. In addition, faculty members are asked to disclose when any discussion of unapproved use of pharmaceuticals and devices is being discussed.

Disclosure information available at <http://adolescentimmunization.haymarketmedical.com>.

TWO METHODS FOR TEST SUBMISSION

1. The test and evaluation form are available in your slidebook handout. You may complete and fax this form to Boston University School of Medicine, Office of Continuing Medical Education. Answer sheet and evaluation form must be received by September 5, 2007. For participants who pass the test, please allow 4 weeks after returning the answer sheet and evaluation form to receive your certificate.

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Office of Continuing Medical Education
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2. You can choose to access the test and evaluation form online by logging on to <http://adolescentimmunization.haymarketmedical.com>. If you pass, you will receive your certificate instantly, provided you complete the test between August 2 and September 6, 2006. Please call Boston University School of Medicine at 617.638.4605 if you have any CME questions.

SLIDES AND CME INFORMATION

A program book containing the slides being discussed in the teleconference, along with CME information, a CME test, and evaluation form, will be available in PDF format online at <http://adolescentimmunization.haymarketmedical.com>.

A New Era in **ADOLESCENT IMMUNIZATION** Promoting Health and Preventing Disease

Registration is required for this complimentary CME program. Upon completion of registration, you will receive a confirmation via email with instructions on how to participate, username, and password for the session for which you have registered. If you do not receive confirmation within 24 hours, please call the registration line at 866.330.7335.

3 WAYS TO REGISTER

Online at <http://adolescentimmunization.haymarketmedical.com>
Fax this form to 847.733.8450.
Phone our registration line at 866.330.7335.

6 DATES TO CHOOSE FROM! Check off the day you would like to take part in the teleconference

Day	Date	Eastern	Central	Mountain	Pacific
<input type="checkbox"/> Wednesday	August 2	12:00 Noon	11:00 AM	10:00 AM	9:00 AM
<input type="checkbox"/> Wednesday	August 9	1:00 PM	12:00 Noon	11:00 AM	10:00 AM
<input type="checkbox"/> Wednesday	August 16	3:00 PM	2:00 PM	1:00 PM	12:00 Noon
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<input type="checkbox"/> Wednesday	September 6	1:00 PM	12:00 Noon	11:00 AM	10:00 AM

Please print clearly. All fields are required.

LAST NAME	FIRST	MI	
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EMAIL ADDRESS (for registration purposes only)			

To request reasonable accommodations for a disability, please notify Gina Domanico c/o Haymarket Medical in writing at least two weeks prior to the conference at 25 Philips Parkway, Suite 105, Montvale, NJ 07645.

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